



Figure 5.14 Existing vertical crack

Girder deformations

Figure 5.15 illustrates the displacement transducer readings of Path 4 of the static load sequence. The fact that Spans 1 and 3 are the same, should have yielded the same readings as the load vehicle passed through both spans. However, this was not seen and in fact, the highest deflection reading was in the third span, 0.033" not the controlling design span, which was Span 2. Span 2 saw a deflection of 0.031" while Span 1 saw the least amount of deflection at 0.023".

The figure also indicates that some upward movement in Span 2 was recorded as the load vehicle was in both Span 1 and 3. This would indicate some form of continuous span action. This was however, only an average 0.005" movement upward. Therefore, the